AMRITPREET SINGH

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OBJECTIVE

Highly skilled Full Stack Software Engineer with a proven track record in developing robust solutions across all layers of Enterprise Software. Leveraging advanced proficiency and years of experience, I am committed to delivering innovative software solutions. With a Master's degree boasting a 3.9 GPA, I bring a strong academic foundation to complement my professional expertise. Eager to apply my skills and expertise in a full-time Full Stack Software Engineer role, driving success and contributing to transformative projects. I am independent and autonomous with excellent communication skills while promoting respectful and collaborative team environments. High flexibility and adaptability with the ability to handle multiple projects and challenging and changing environments and technologies. Ability to scope product / marketing requirements into Engineering tasks.

SKILLS

JavaScript, React, NextJS, Typescript, PHP, C#.Net, Node.js, SQL, MySQL, NoSQL, Firebase, IIS, AWS, Docker, JSON, REST, API, GraphQL, Responsive Design, Bootstrap, Tailwind, TDD, Jest, C, C++, Java, Python, Domain Driven Design, Git, Software Development, Agile Methodologies, Linux, HTML, CSS, CI/CD, SDLC, Machine Learning

EXPERIENCE

Software Engineer | July 2022 - Present
American Journal Experts | *Durham, NC*

- Spearheaded the comprehensive rebranding and redevelopment of our Full Stack AI suite (HTML, CSS, React, PHP Laminas, Bootstrap, MySql, Paddle Software Subscriptions), culminating in its successful deployment to empower over 100k researchers worldwide.
- Pioneered the creation of an MS Word add-in (HTML, CSS, Next.js, TypeScript, ChakraUI, RESTful APIs) from inception to delivery, reaching 100k researchers and enhancing their productivity with rich, accessible UIs.
- Continuously enhanced and maintained the Word add-in (HTML, CSS, Next.js, TypeScript, ChakraUI, RESTful APIs), incorporating valuable features that significantly benefited 100k researchers.
- Innovated generative AI functionalities for our cutting-edge research application (React, PHP Laminas, Bootstrap, MySql, RESTful APIs, Object Oriented Design), catering to a potential user base of 100k individuals.
- Steered the upkeep of the Preprints application (Next.js, CakePHP, AWS Lambda, MySQL), vital to over 200k researchers, ensuring seamless functionality and user experience.
- Managed and updated our state-of-the-art NextJS+Prismic+ChakraUI frontend, enabling the dynamic dissemination of blogs and marketing content to over 200k users.
- Architected and sustained the codebase for multiple flagship applications within the publishing domain, maintaining industry-leading standards (React, Next.js, PHP, MySql, RESTful APIs).
- Championed the development and maintenance of DevOps infrastructure (AWS), facilitating the efficient deployment of modern applications (CI/CD, GitHub Actions, Docker).
- Ensure integrity and prevent bugs by following Test Driven Development (TDD) writing automated unit, integration & acceptance tests using Jest, Behat, Gherkin, Jasmine, Cucumber, Cypress & React Testing Library.
- Deployed/maintained AWS Cloud resources including S3, Lambda Functions + Node.js, EC2, ECR, SQS, SNS, AWS Stacks, Log Groups & more.
- Owned, maintained and improved Database Schemas, Structures and Migrations using PHP, Doctrine, Docker, MySQL and Linux.
- Enforce the high accessibility and ease of use of UIs and UX by using best practices for colors, layouts, semantic HTML, ADA Compliance, design principles and typography.

Full Stack Application Developer   May 2021 - July 2022
Element 74   *Cape Girardeau, MO*

- Orchestrated an exceptional 200%+ expansion in clientele for the Algos Pathways Full Stack Healthcare Application with rich, accessible UIs (HTML, CSS, React.js, C#.Net core, Entity Framework, MSSql, Object Oriented Design).

- Seamlessly integrated Algos Pathways (React.js, C#.Net core, Entity Framework, MSSql, RESTful APIs) with Athena Electronic Health Records, driving a remarkable 200%+ surge in client adoption.

- Successfully launched the Stockhaus e-commerce application (HTML, CSS, React.js, TypeScript, Google Cloud Platform, Tailwind, Scss), securing a dominant market position and showcasing a high potential profit margin.

- Deployed/maintained Firebase (GCP) cloud functions + Node.js and integrated them with React.js applications.

- Developed, maintained and deployed the iOS & Android mobile application using Expo, React Native, RESTful APIs, Rich UIs & Expo to the Google Play Store & iOs App Store.

- Implemented detailed interactive visual reports with built-in filtering consolidating large amounts of information in a persuasive visual experience using HTML, CSS, React.js, C#/.NET Core, Visual Studio & RESTful APIs.

- Owned, maintained and improved Database Schemas, Structures and Migrations using C#.NET, Microsoft Entity Framework, Powershell and Microsoft SQL Server.

- Enforce the high accessibility and ease of use of UIs and UX by using best practices for colors, layouts, semantic HTML, ADA compliance, design principles and typography.

- Implemented end to end encryption for large chunks of sensitive patient data while following HIPAA guidelines using C#/.NET, RESTfulAPIS, Javascript, React, HTML & CSS.

- Become the subject matter expert in the Healthcare domain including Athena, Electronic Health Records (EHRs) Integrations, HL7, FHIR, HIPAA, Encryption, Data Security, Patient Privacy and more.

Graduate Assistant - Computer Science   Aug 2020 - May 2021
Southeast Missouri State University   *Cape Girardeau, MO*

- Innovated and released an open-source C library for efficient sparse tensor computations, decomposition, and storage, earning recognition with a poster presentation at the prestigious Super Computing 2021 conference.

- Engineered an automated grading system for student homework, reducing feedback time by over 50% through Python automation.

- Pioneered a Conversation Recommendation System (Chatbot) using IBM Watson to address students' inquiries about academic programs, resulting in a significant reduction of staff workload by more than 50%.

- Provided instructional support for Computer Architecture topics, including Assembly Language, Boolean Algebra, and Logic Gates, to a cohort of 30+ students.

IT & E-governance Intern   June 2018 - Aug 2018
IPE Global   *New Delhi, India*

- Developed a robust project management system tailored for the UP State government, leveraging PHP Code Igniter, HTML, CSS, JavaScript, JQuery, Ajax, Object Oriented Design and MySQL technologies.

- Delivered a compelling presentation to the UP State Government, showcasing the project management system and its potential benefits.

EDUCATION

Master of Applied Computer Science, Southeast Missouri State University (3.9 GPA)   2019 - 2021

Bachelor of Computer Science, Webster University (3.7 GPA)   2016 - 2019

EXTRA-CURRICULAR ACTIVITIES

- Secretary at ACM (Association for Computing Machinery) Chapter SEMO

- Co-founder & member at School of Code (International Community School)